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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/828,340	04/21/2004	Shuhei Yada	2004_0589A	5472
513 7	590 03/15/2006		EXAM	INER
WENDEROTH, LIND & PONACK, L.L.P. 2033 K STREET N. W.			MANOHARAN, VIRGINIA	
SUITE 800	21 N. W.		ART UNIT	PAPER NUMBER
WASHINGTO	N, DC 20006-1021		1764	

DATE MAILED: 03/15/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

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	Application No.	Applicant(s)
	10/828,340	YADA ET AL.
Office Action Summary	Examiner	Art Unit
	Virginia Manoharan	1764
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet with the	correspondence address
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D. - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period. - Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION 136(a). In no event, however, may a reply be time I will apply and will expire SIX (6) MONTHS from the, cause the application to become ABANDONE	N. nely filed the mailing date of this communication. ED (35 U.S.C. § 133).
Status		
1) Responsive to communication(s) filed on 09 .	lanuary 2 <u>006</u> .	
2a) This action is FINAL . 2b) ⊠ Thi	s action is non-final.	
3) Since this application is in condition for allowa	ance except for formal matters, pro	osecution as to the merits is
closed in accordance with the practice under	Ex parte Quayle, 1935 C.D. 11, 4	53 O.G. 213.
Disposition of Claims		
4) ☐ Claim(s) 9-14 is/are pending in the application 4a) Of the above claim(s) is/are withdra 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 9-14 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/a	awn from consideration.	
Application Papers		
9) The specification is objected to by the Examin 10) The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the E	cepted or b) objected to by the drawing(s) be held in abeyance. Section is required if the drawing(s) is ob	e 37 CFR 1.85(a). ejected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document application from the International Bureat* See the attached detailed Office action for a list	nts have been received. Its have been received in Applicatority documents have been received in Applicatority documents have been received in the second in	ion No ed in this National Stage
Attachment(s) 1) Notice of References Cited (PTO-892)	4) 🔲 Interview Summary	(PTO-413)
 Notice of References Clied (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date 	Paper No(s)/Mail D	

Application/Control Number: 10/828,340

Art Unit: 1764

DETAILED ACTION

The specification is objected to as failing to provide proper antecedent basis for the claimed subject matter. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o). Correction of the following is required: the steps referring to distillation device e.g., only: "introducing ..into a <u>distillation</u> device.." claimed in claim 9 are not positively recited in the specification.

Claims 12 and 14 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

That the temperature at the top of the collection column is kept within ± 1 $^{\circ}$ C in claims 12 & 14 provides for ambiguity and confusion. That is, the temperature is at 2° C?

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 9-11 and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over EP 0778255.

EP '255 discloses the method/process as claimed. See the abstract, and the claims at cols.11-12. EP '255 at column 3, lines 38-46, and column 3, lines 55-58, through column 4, lines 1-12, for examples, further discloses the amounts of mixed

Application/Control Number: 10/828,340

Art Unit: 1764

gas (corresponding to the claimed reaction gas) supplied or introduced into the acrylic acid collection tower 101, and the amounts of the aqueous medium used respectively (corresponding to the claimed step of "adjusting at least one selected from the group consisting of an amount of water distilled from the distillation device, an amount of the reaction gas supplied before collection, an amount of the aqueous medium used, and a water content in the aqueous medium...". While the claimed <1.25 is not positively disclose, however, column 11, lines 10-13, and the Examples and Comparative Examples of EP '255 all mention the amount or concentration of the acrylic at the top and at the bottoms of the tower which tells an artisan that an optimum range relative to the top and bottoms acrylic values exists.[Any experimentation done to find this optimal range is of the essence within the skilled of the art].

Claims 12 and 14 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Sakakura et al discloses a process for recovering chemical products including (meth)acrylic acid or (meth)acrylic acid esters.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Virginia Manoharan whose telephone number is 571-272-1450.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenn Caldarola, can be reached on 571-272-1444. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

VIRGINIA WANGHAHAN PRIMARY EXAMINER

ARTUNIT 132/ Thick

3/13/06